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### POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statements under 37 CFR 3.73(b) which statements have been prepared by the practitioners associated with Customer Number 07278 with the Assignee's authorization.

I hereby appoint:

- ☒ Practitioners associated with the Customer Number: 07278  
**OR**  
☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

- ☒ The address associated with Customer Number: 07278

**OR**

☐ Firm or Individual Name

Address

City	State	Zip
Country	Telephone	Email

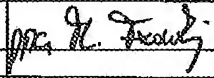
Assignee Name and Address:

Helmholtz-Zentrum Berlin fuer Materialien und Energie GmbH,  
Glienicker Straße 100, 14109 Berlin, Germany

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

#### SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	19. AUG. 2009
Name	i. V. Rudolph	Telephone	+49-30-8062-2152
Title	A-M-Patente		

Thomas Frederking  
Hauptabteilung Administration  
Prokurist

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Helmholtz-Zentrum Berlin fuer Materialien und Energie GmbHApplication No./Patent No./Control No.: 10/575,496 Filed/Issue Date: May 18, 2006Entitled: Photovoltaic solar cell...Helmholtz-Zentrum Berlin fuer Materialien und Energie GmbH

(Name of Assignee)

, a

Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a true copy of the original assignment is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Inventors To: Hahn-Meitner-Institut Berlin GmbH  
The document was recorded in the United States Patent and Trademark Office at Reel 017898, Frame 0780, or for which a copy thereof is attached.

2. From: Hahn-Meitner-Institut Berlin GmbH To: Helmholtz-Zentrum Berlin fuer Materialien und Energie GmbH  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

**As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.**

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Erik R. Swanson  
Signature

February 18, 2010

Date

Erik R. Swanson  
Printed or Typed Name

(212) 527-7700  
Telephone Number

Registration Number 40,833  
Title

**19. MAI 2008**

Berlin, den 16.05.2008

In der Registersache

**Helmholtz-Zentrum Berlin für Materialien und Energie Gesellschaft mit beschränkter Haftung**  
 Glienicker Straße 100  
 14109 Berlin

Vormals: Hahn-Meltner-Institut Berlin Gesellschaft mit beschränkter Haftung

erfolgte unter Aktenzeichen HRB 5583 B mit der laufenden Nummer 5 die nachstehende  
 Registereintragung:

1. Nummer der Eintragung  
 5

2.a) Firma

Helmholtz-Zentrum Berlin für Materialien und Energie Gesellschaft mit beschränkter Haftung

2.c) Gegenstand des Unternehmens

Grundlagenforschung und anwendungsorientierte Forschung auf den Gebieten der Naturwissenschaften, insbesondere auf dem Gebiet der kondensierten Materie, sowie der Betrieb der hierfür erforderlichen Forschungsanlagen. Die Gesellschaft verfolgt als Mitglied der Hermann von Helmholtz-Gemeinschaft Deutscher Forschungszentren e.V. (HGF) langfristige Forschungs- und Bildungsziele des Staates und der Gesellschaft und ist in das an diesen Zielen orientierte Finanzierungsverfahren eingebunden.

6.a) Rechtsform, Beginn, Satzung oder Gesellschaftsvertrag

Durch Beschluss der Gesellschafterversammlung vom 09.05.2008 ist der Gesellschaftsvertrag geändert in § 1 (Firma) und § 2 (Gegenstand).

7.a) Tag der Eintragung

16.05.2008

Dieses Schreiben wurde maschinell erstellt und ist ohne Unterschrift gültig.

**Achtung! Hinweis des Registersgerichts:**

In Berlin erfolgt die Bekanntmachung der Handelsregistereintragungen in Papierform nur im "Tagespiegel".

Die Veröffentlichungen bieten diversen Adressbuchverlagen und anderen Unternehmen Veranlassung, gegen Entgelt Leistungen - wie etwa die Aufnahme in ein Adressbuchwerk oder die Anfertigung einer Urkunde über die Handelsregistereintragung - anzubieten.

Diese Angebote in Form von Rechnungen sind zwischenzeitlich auch mit einem Warnhinweis versehen, der dem gerichtlichen Warnhinweis nachempfunden ist.

Es wird daher eindringlich darauf hingewiesen, dass Abrufungen des Registersgerichts Charlottenburg (Berlin) für Handelsregistereintragungen ausschließlich über die Kostenentziehungsstelle der Justiz (KEJ) erfolgen.

Sollten Zweifel über Zahlungsverpflichtungen oder Seriosität von Adressbuchverlagen bestehen, fragen Sie Ihre IHK Berlin.

Translation

Charlottenburg Local Court

Page 1 of 1

Stamp:  
Received  
19 MAY 2008

Berlin, dated 16 May 2008

In the register of companies matter pertaining to

**Helmholtz-Zentrum Berlin für Materialien und Energie Gesellschaft mit beschränkter Haftung**  
Glienicker Strasse 100  
14109 Berlin

Formerly: Hahn-Meitner-Institut Berlin Gesellschaft mit beschränkter Haftung

the following register entry has been made under the running number 5 under the reference number HRB 5583 B:

1. Number of entry

5

2.a) Company

Helmholtz-Zentrum Berlin für Materialien und Energie Gesellschaft mit beschränkter Haftung

2.c) Object of the company

Fundamental and application-oriented research in the field of natural sciences, particularly in the field of condensed matter, and the operation of the research facilities required for this purpose. As a member of the Hermann von Helmholtz-Gemeinschaft Deutscher Forschungszentren e.V. (HGF), the company pursues long-term research and education objectives of the state and society and is included in the financing procedure aimed at achieving these objectives.

6.a) Legal form, commencement, by-laws or articles of association

As decided at the shareholders' meeting of 9 May 2008, §1 (Company) and §2 (Object) of the articles of association have been amended.

7.a) Date of entry

16 May 2008

This excerpt was created automatically and is valid without a signature.

**Attention! Note from the Registration Court:**

In Berlin, entries to the commercial register are only announced on paper in the "Tagesspiegel" newspaper.

The publications provide address book publishers and other companies with the opportunity to offer services, against payment, such as inclusion in an address book or the production of a certificate concerning the entry in the commercial register.

From time to time, these offers in the form of invoices are furnished with a warning notice based on the legal warning notice.

**You are hereby implicitly reminded that invoices from Charlottenburg Local Court (Berlin) for entries in the commercial register are issued exclusively by the judicial cost-collection centre (Kosteneinzugsstelle der Justiz – KEJ).**

Should you have any queries concerning the obligation to pay or the integrity of address book publishers, please do not hesitate to consult the IHK Berlin (Berlin Chamber of Industry and Commerce).